

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Gardner 36-3A-3-2				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> UNDESIGNATED				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> FINLEY RESOURCES INC						<b>7. OPERATOR PHONE</b> 817 231-8735				
<b>8. ADDRESS OF OPERATOR</b> PO Box 2200, Fort Worth, TX, 76113						<b>9. OPERATOR E-MAIL</b> awilkerson@finleyresources.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Patented			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Shane and Gail Gardner Family Trust						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-353-4289				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 1863 E Hwy 40, Roosevelt, UT 84066						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		745 FNL 1901 FWL		NENW	36	3.0 S	2.0 E	U		
Top of Uppermost Producing Zone		745 FNL 1901 FWL		NENW	36	3.0 S	2.0 E	U		
At Total Depth		745 FNL 1901 FWL		NENW	36	3.0 S	2.0 E	U		
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 745			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion)</b> 2300			<b>26. PROPOSED DEPTH</b> MD: 8500 TVD: 8500				
<b>27. ELEVATION - GROUND LEVEL</b> 4880			<b>28. BOND NUMBER</b> RLB0011264			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-10988				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 50	48.0	H-40 ST&C	0.0	Class G	41	1.17	15.8
SURF	12.25	8.625	0 - 1000	24.0	J-55 ST&C	8.6	Class G	502	1.15	15.8
							Class G	335	1.17	15.8
PROD	7.625	5.5	0 - 8500	17.0	N-80 LT&C	9.2	OTHER	245	3.1	11.0
							OTHER	1007	2.1	13.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Don Hamilton		<b>TITLE</b> Permitting Agent (Star Point Enterprises, Inc.)				<b>PHONE</b> 435 650-3866				
<b>SIGNATURE</b>		<b>DATE</b> 06/16/2014				<b>EMAIL</b> starpoint@etv.net				
<b>API NUMBER ASSIGNED</b> 43047544880000					<b>APPROVAL</b>					

**Received: August 29, 2014**

**Finley Resources, Inc.**  
**Gardner 36-3A-3-2**  
**Lot 1, Sec 36, T3S, R2E, U.S.B.&M.**  
**Uintah County, UT**

**Drilling Program**

**1. Formation Tops**

Uintah	Surface
Green River	2,925'
Black Shale	6,678'
Wasatch	7,269'
TD	8,500'

**2. Depth to Oil, Gas, Water, or Minerals**

Black Shale	6,678' - 7,269'	(Oil)
Wasatch	7,269' - TD	(Oil)

Fresh water may be encountered in the Duchesne Formation, but is not expected below about 300'.

**3. Pressure Control**

<u>Section</u>	<u>BOP Description</u>
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 3M system.
	A 3M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 3,000 psi will be used.

**4. Casing**

Description	Interval (MD)		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor 13 3/8	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
									--	--	--
Surface 8 5/8	0'	1,000'	24	J-55	STC	8.33	8.6	11	2,950	1,370	244,000
									5.80	4.12	10.17
Production 5 1/2	0'	8,500'	17	N-80	LTC	9	9.2	11	7,740	6,280	348,000
									2.47	1.95	2.41

**Assumptions:**

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	48	15%	15.8	1.17
				41			
Surface Lead	12 1/4	700'	Class G w/ 2% KCl + 0.25 lbs/sk Flocele	578	100%	15.8	1.15
				502			
Surface Tail	12 1/4	300'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	392	100%	15.8	1.17
				335			
Production Lead	7 7/8	3,500'	Econocem-1# granulite+.25# polyflake	758	25%	11.0	3.10
				245			
Production Tail	7 7/8	5,000'	Econocem-.95%bw HR-5+.125# polyflake	814	25%	13.0	2.10
				1007			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 25% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

### Interval                      Description

Surface - 1,000'      An air and/or fresh water system will be utilized.

1,000' - TD      A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.  
Anticipated maximum mud weight is      9.2 ppg.

## 7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

## 8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by 0.47 psi/ft gradient.

$$8,500' \times 0.47 \text{ psi/ft} = 3978 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

## 9. Other Aspects

This is planned as a vertical well

**Based on prior drilling experience in the area, Finley Resources is confident that the 5 1/2" 15.5# production is more than sufficient to avoid any possible mechanical integrity problems relating to collapse or burst conditions.**

Variance Request for FIT Requirements:

Finley Resources, Inc. respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the Pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

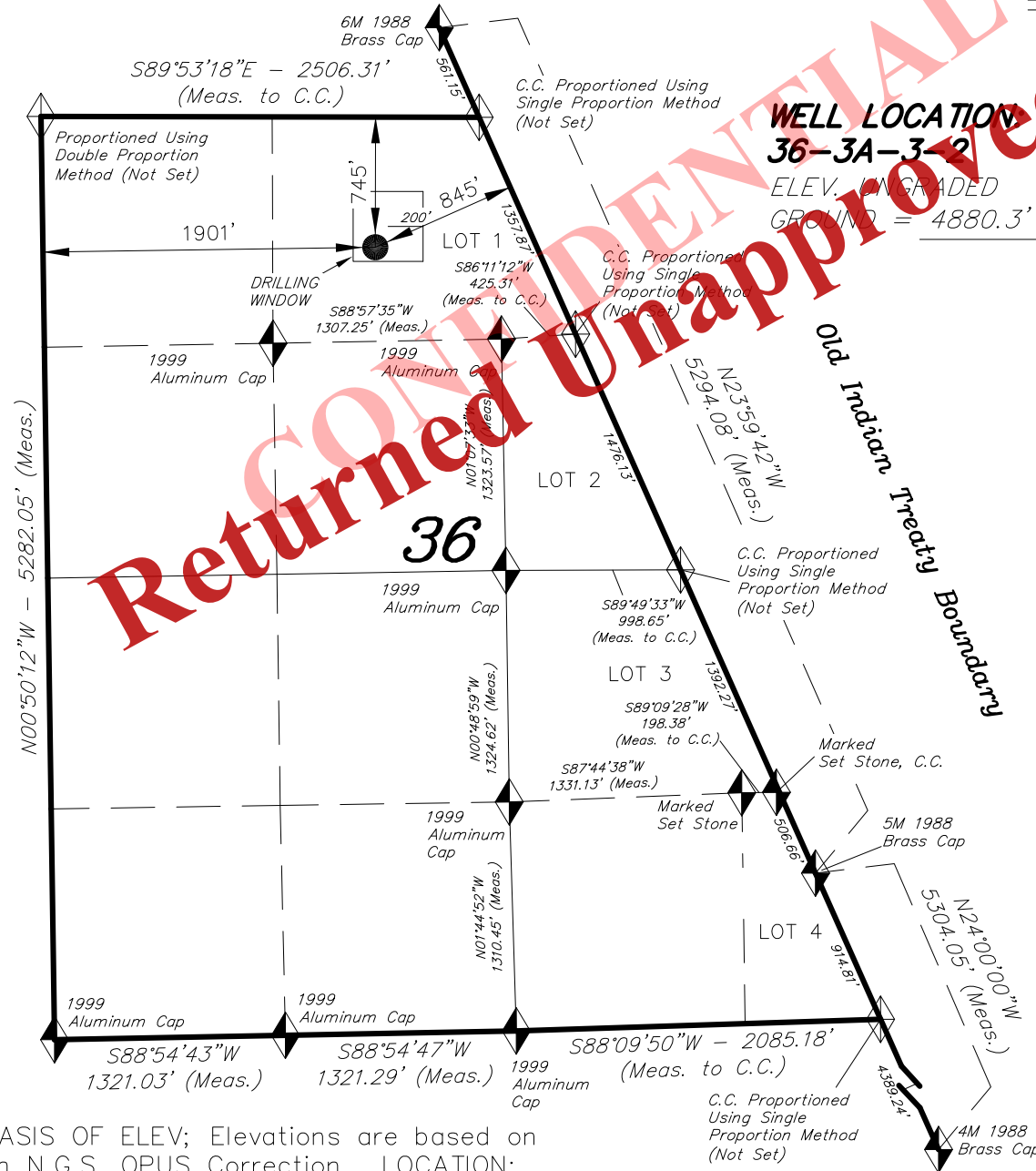
Variance Request for Air Drilling Requirements:

Finley Resources, Inc. respectfully requests a variance to Onshore Order #2, III.E.1

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the wellbore. Variance granted for truck/trailer mounted air compressors.
- Straight run blooie line. Variance granted for targeted "T"s" at bends.
- Automatic igniter. Variance granted for igniter due to water mist.
- Air drilling operations will be conducted only during drilling of the surface casing hole, there is no history of hydrocarbons being encountered in this hole section in the area where these wells are to be drilled.

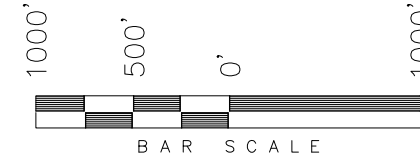
**T3S, R2E, U.S.B.&M.**

**FINLEY RESOURCES INC.**



**WELL LOCATION**  
**36-3A-3-2**  
 ELEV. UNGRADED  
 GROUND = 4880.3'

WELL LOCATION, 36-3A-3-2, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 (LOT 1) OF SECTION 36, T3S, R2E, U.S.B.&M. UINTAH COUNTY, UTAH.

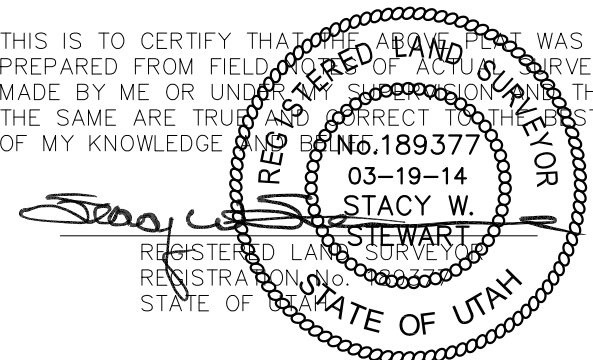


**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°11'01.49"
LONGITUDE	= 109°43'12.35"

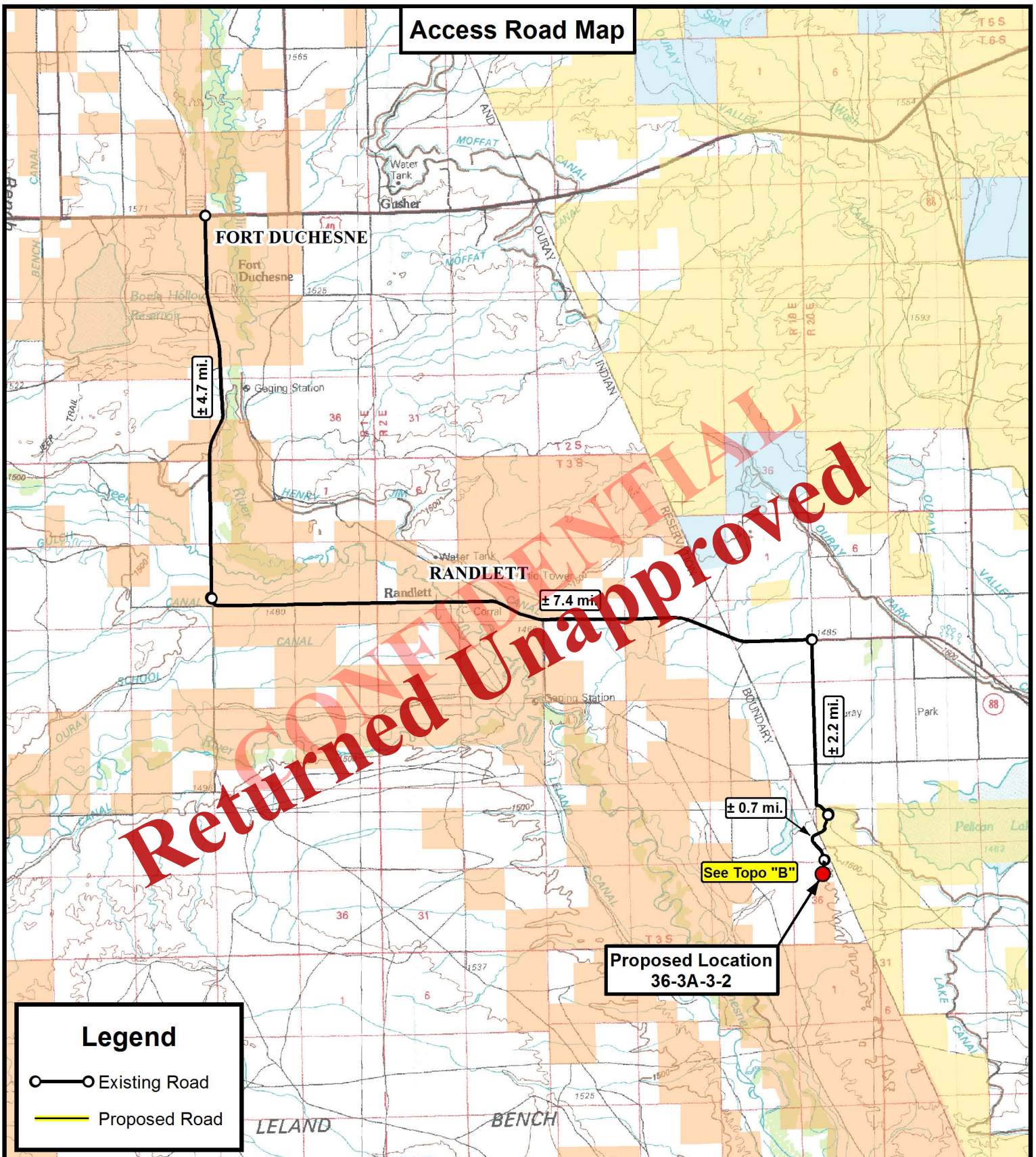
**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 02-25-14	SURVEYED BY: C.S.
DATE DRAWN: 03-19-14	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

**Received: June 16, 2014**



# Access Road Map



## Legend

- Existing Road
- Proposed Road



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## FINLEY RESOURCES INC.

36-3A-3-2

Sec. 36, T3S, R2E, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	03-20-2014	
SCALE:	1:100,000	

**TOPOGRAPHIC MAP**

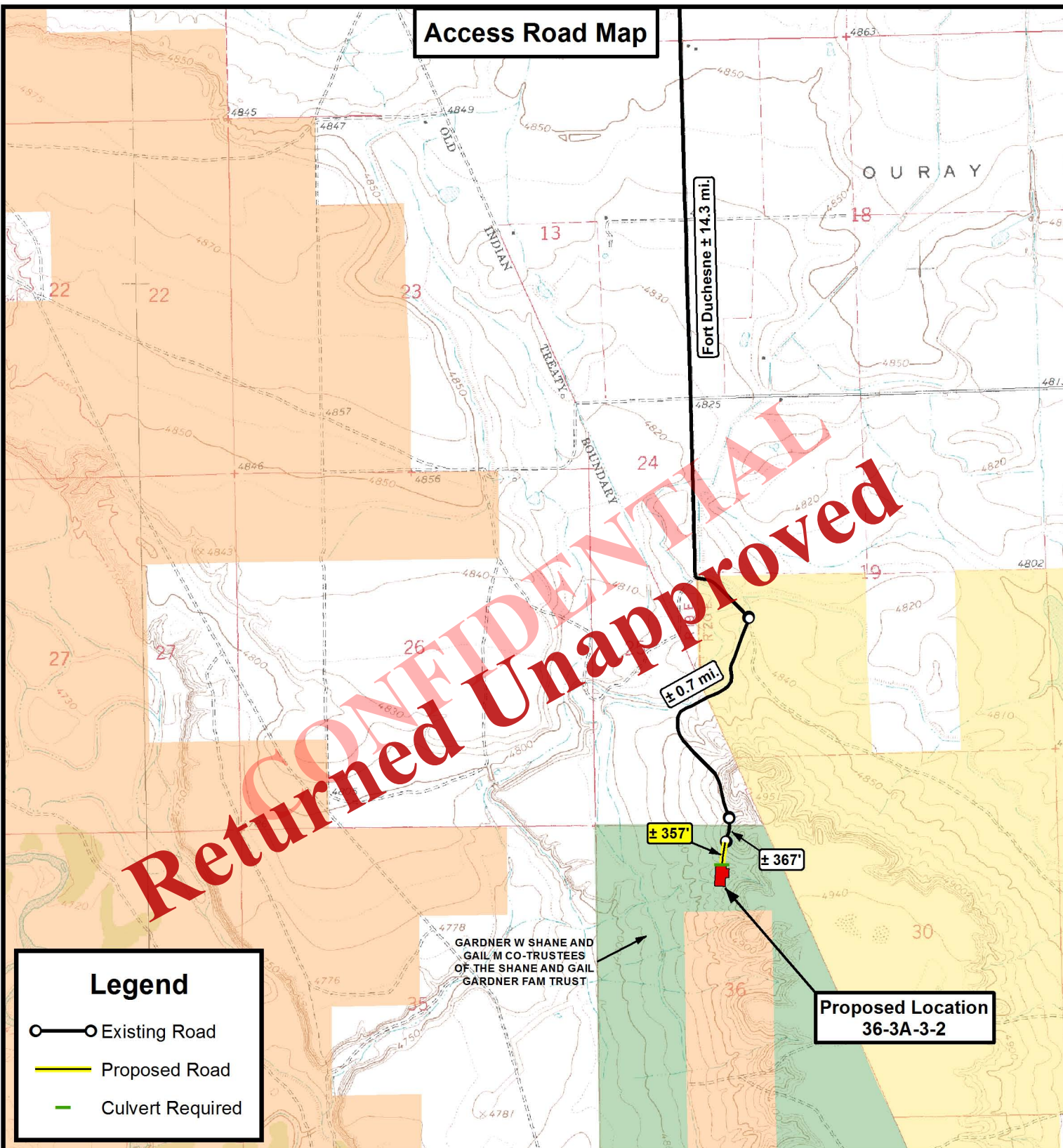
SHEET

**A**

**Received: June 16, 2014**



# Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**FINLEY RESOURCES INC.**

36-3A-3-2  
Sec. 36, T3S, R2E, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	03-20-2014	
SCALE:	1" = 2,000'	

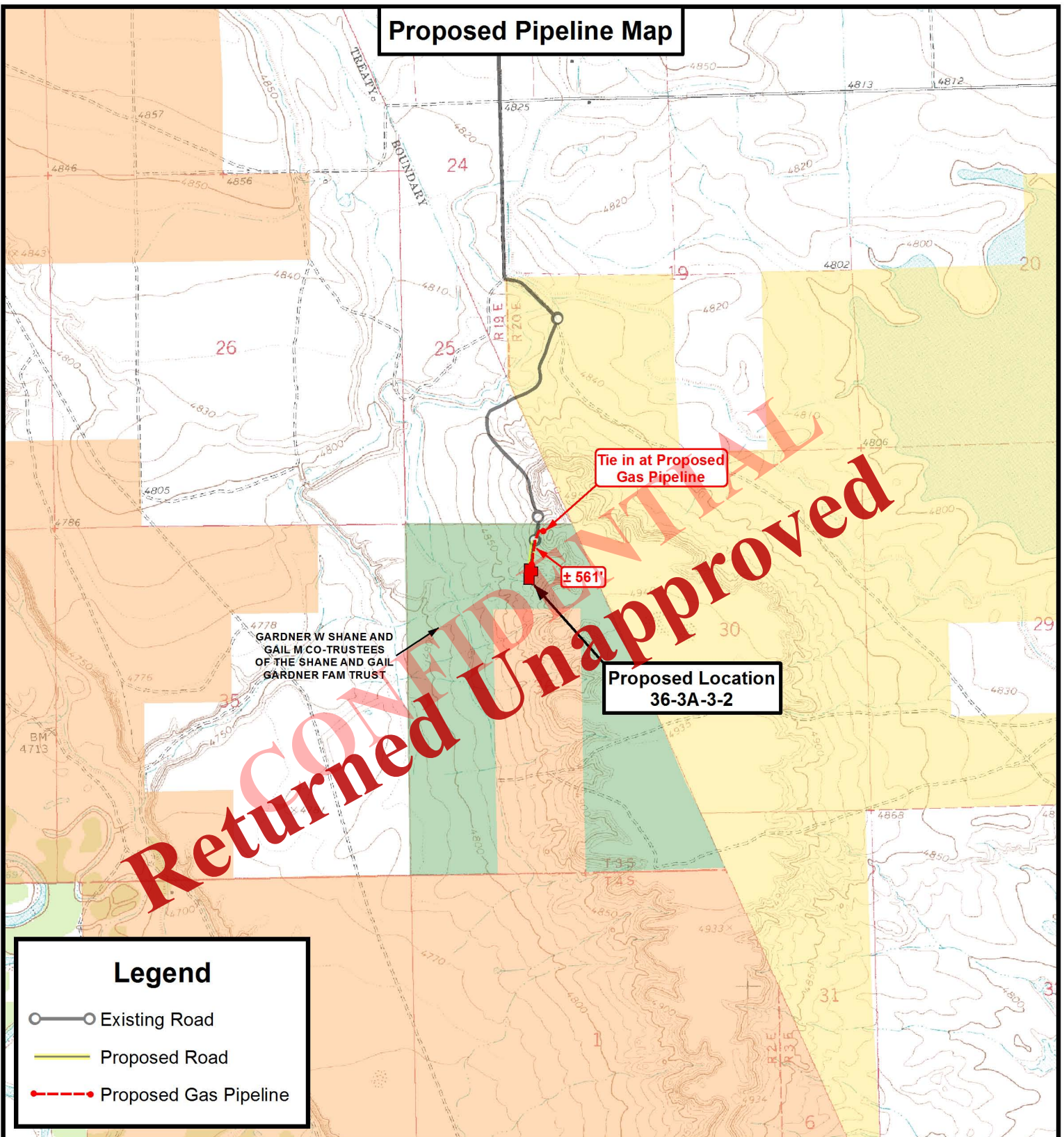
**TOPOGRAPHIC MAP**

SHEET  
**B**

Received: June 16, 2014



# Proposed Pipeline Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**FINLEY RESOURCES INC.**

**36-3A-3-2**

**Sec. 36, T3S, R2E, U.S.B.&M.  
Uintah County, UT.**

DRAWN BY:	A.P.C.	REVISED:
DATE:	03-20-2014	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET

**C**

**Received: June 16, 2014**



# Exhibit "B" Map

Proposed Location  
36-3A-3-2

**CONFIDENTIAL**  
**Returned Unapproved**

## Legend

- 1 Mile Radius
- Proposed Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## FINLEY RESOURCES INC.

36-3A-3-2  
Sec. 36, T3S, R2E, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	03-20-2014	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**D**

**Received: June 16, 2014**

AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY  
AND SURFACE USE AGREEMENT

**State:** Utah

**County:** Uintah

**Affiant:** Scott Ramsey, Land Manager, Finley Resources Inc.

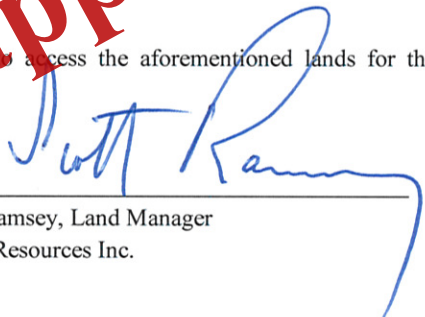
Pursuant to the State of Utah R649-3-34.7, I Scott Ramsey personally attests and duly swears and deposes the following information:

My name is Scott Ramsey. I am the Land Manager of Finley Resources Inc., authorized to do business in the State of Utah, whose address is 1308 Lake Street, Fort Worth, Texas 76102, hereinafter referred to as ("Finley"). Finley owns, operates and manages oil and gas properties in Uintah County, Utah. Finley is the owner of certain oil and gas leasehold in the Section 25 & 36, Township 3 South Range 2 East, USM where a future drillsite location, right-of-way, easement will be located.

Finley and the Surface Owner, The Shane and Gail Gardner Family Trust, dated November 1, 1996 have entered into that certain Easement, Right-of-Way and Surface Use Agreement, dated effective June 10, 2014 covering the following lands owned by Owner in Uintah County, Utah, to wit:

**Township 3 South, Range 2 East, USM**  
**Section 25: Lots 3 & 4**  
**Section 36: Lots 1, 2, 3, 4 & SW/4SE/4**

Furthermore, this shall serve as sufficient notice of Finley's agreement to access the aforementioned lands for the future development of the oil and gas leasehold.

  
\_\_\_\_\_  
Scott Ramsey, Land Manager  
Finley Resources Inc.

ACKNOWLEDGEMENT

STATE OF TEXAS           §

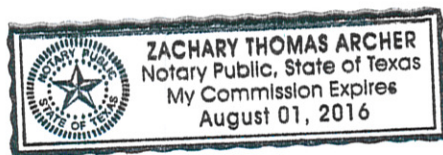
COUNTY OF TARRANT   §

Before me the undersigned, a Notary Public, in and for said County and State, on this 11<sup>th</sup> day of June, 2014, personally appeared Scott Ramsey, as Land Manager, of Finley Resources Inc., to me known to be the identical person who subscribed the name of the maker therefore to the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC

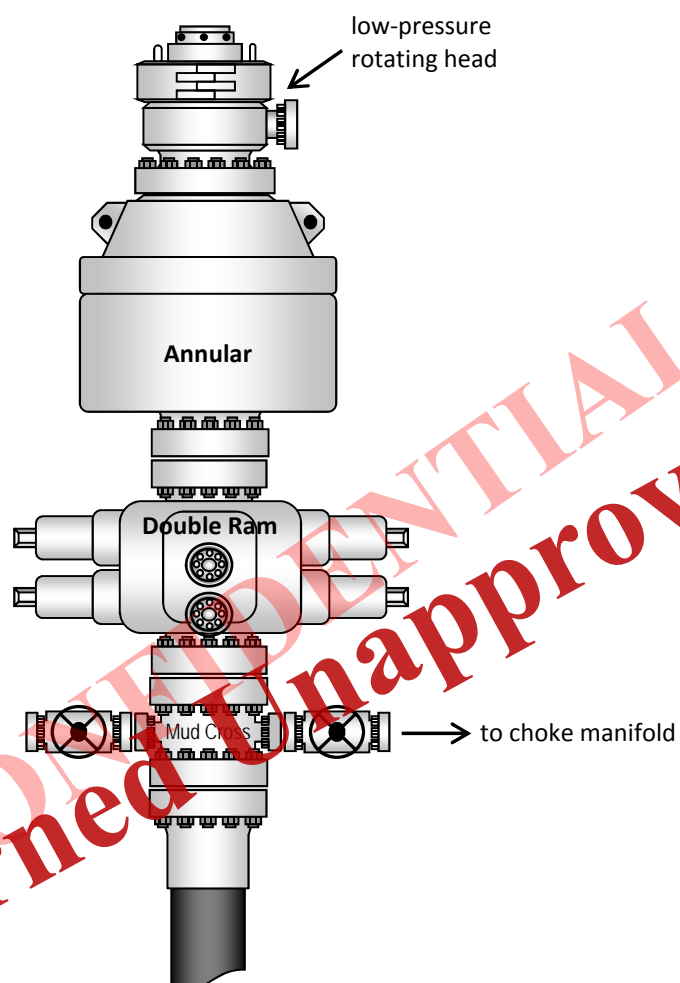
My Commission Expires: 8.1.2016

[SEAL]



**Received: June 16, 2014**

# Typical 3M BOP stack configuration



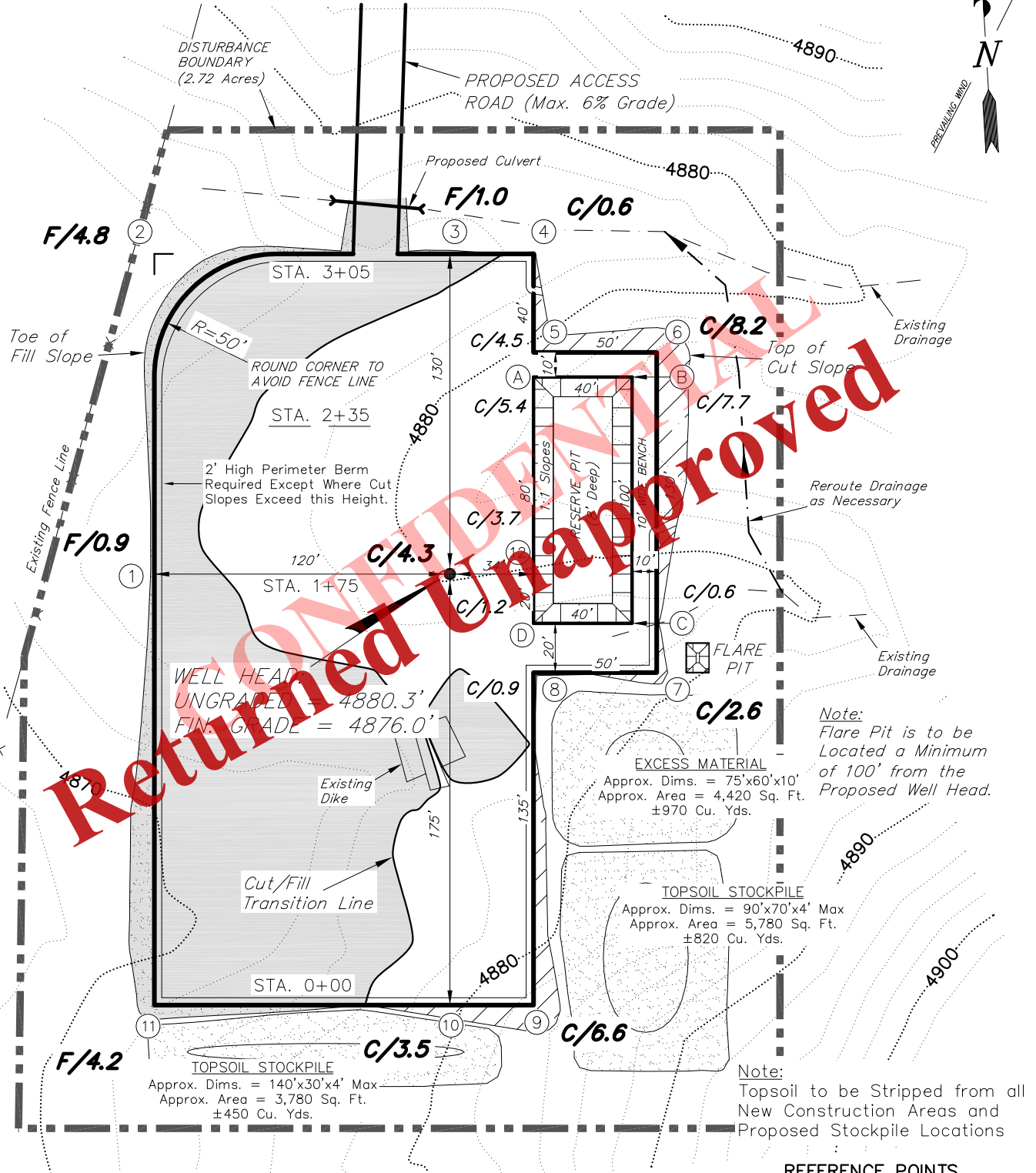


# FINLEY RESOURCES INC.

## PROPOSED LOCATION LAYOUT

36-3A-3-2

Pad Location: NENW (Lot 1) Section 36, T3S, R2E, U.S.B.&M.



### NOTE:

The topsoil & excess material areas are calculated as being mounds containing 2,120 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY:	C.S.	DATE SURVEYED:	02-25-14
DRAWN BY:	M.W.	DATE DRAWN:	03-19-14
SCALE:	1" = 60'	REVISED:	

Tri State

Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

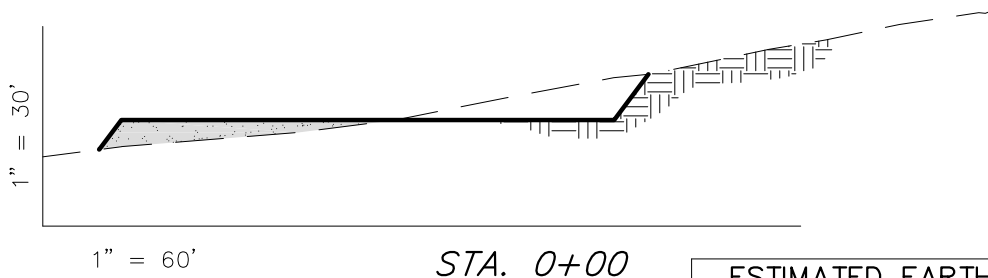
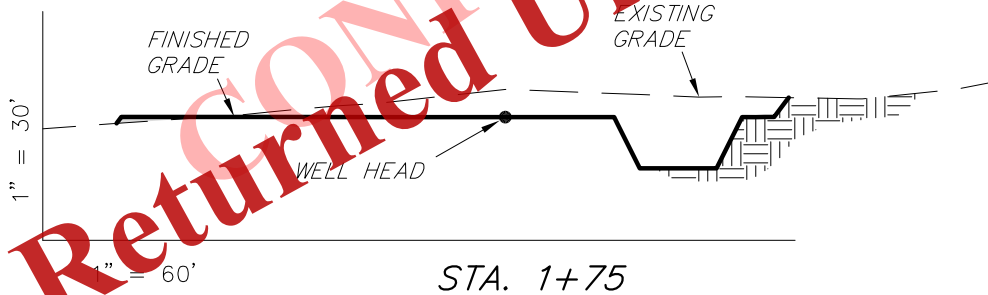
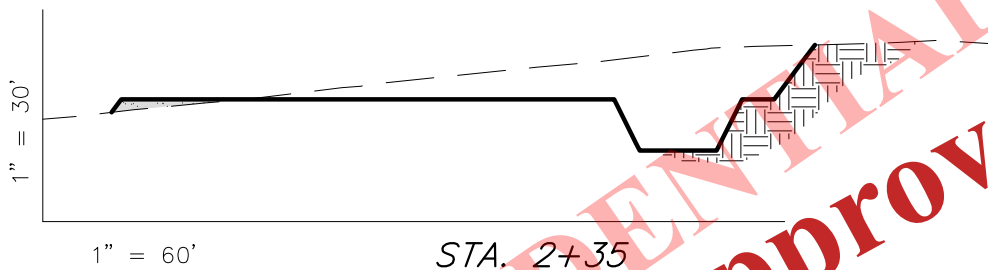
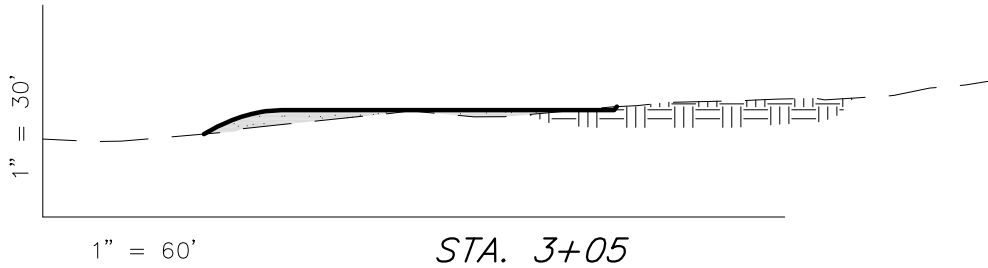
Received: June 16, 2014

# FINLEY RESOURCES INC.

## CROSS SECTIONS

36-3A-3-2

Pad Location: NENW (Lot 1) Section 36, T3S, R2E, U.S.B.&M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,830	2,830	Topsoil is not included in Pad Cut Volume	0
PIT	880	0		880
TOTALS	3,710	2,830	1,160	880

SURVEYED BY: C.S. DATE SURVEYED: 02-25-14  
DRAWN BY: M.W. DATE DRAWN: 03-19-14  
SCALE: 1" = 60' REVISED:

*Tri State* (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

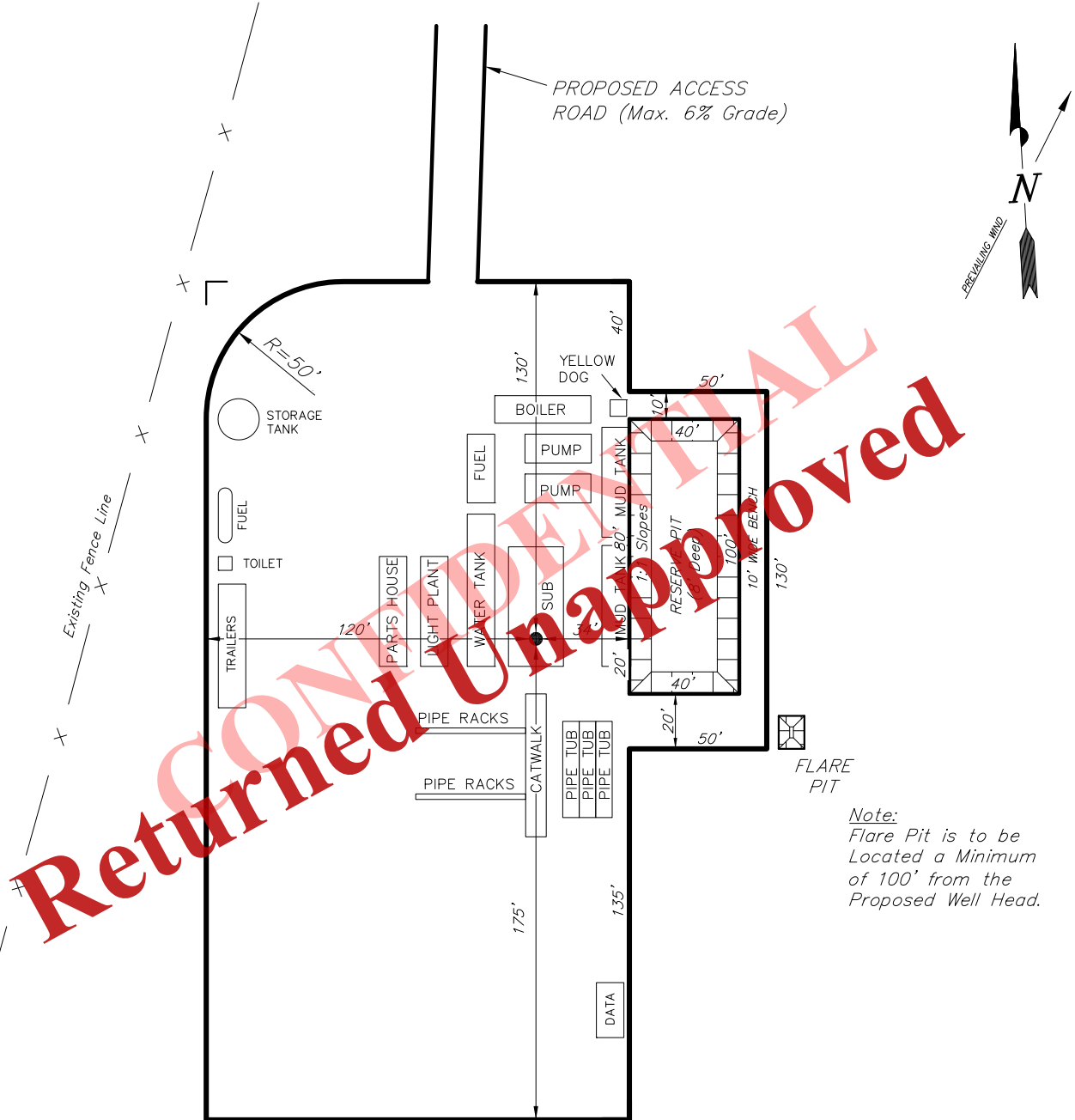
Received: June 16, 2014

# FINLEY RESOURCES INC.

## TYPICAL RIG LAYOUT

36-3A-3-2

Pad Location: NENW (Lot 1) Section 36, T3S, R2E, U.S.B.&M.



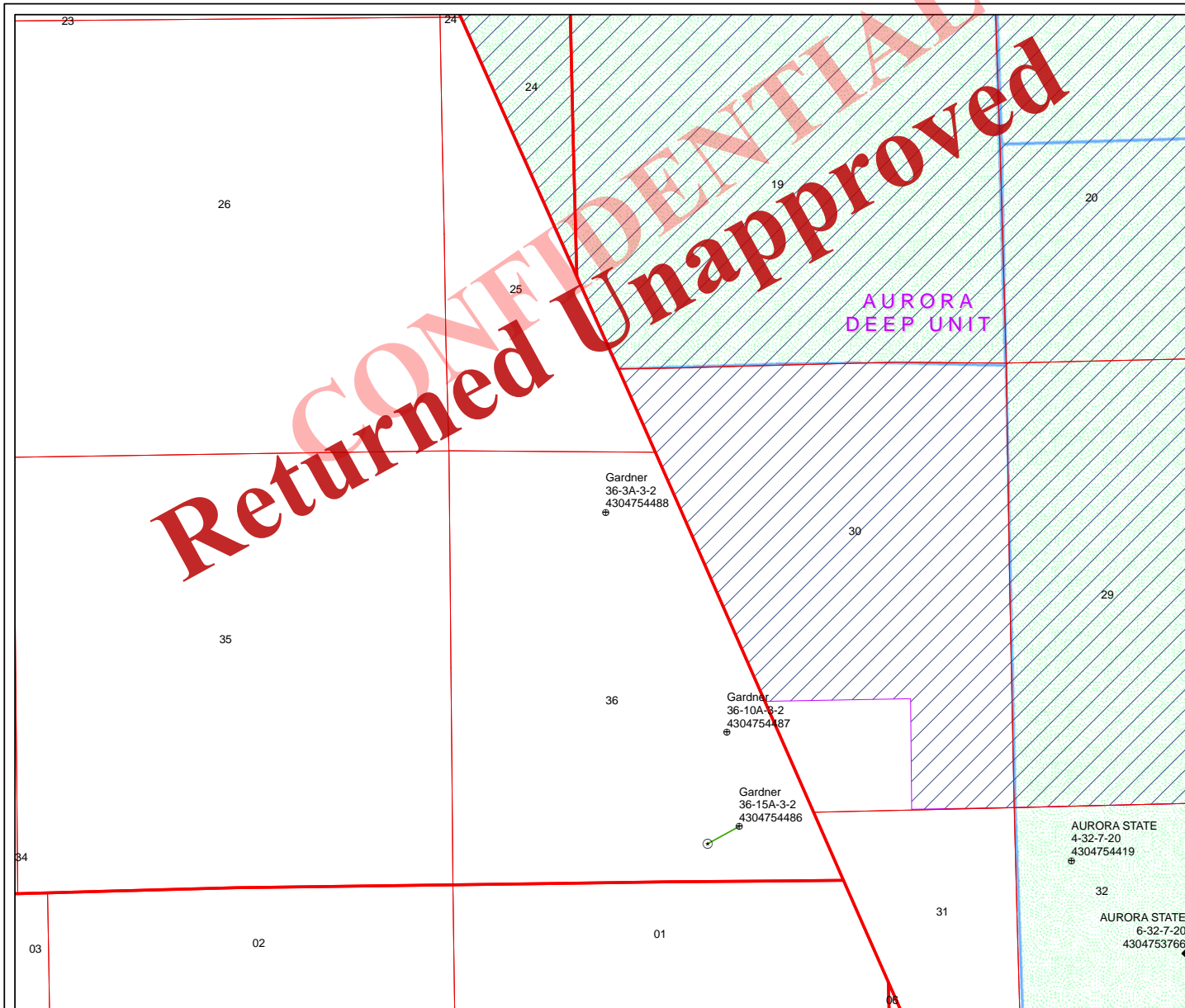
SURVEYED BY:	C.S.	DATE SURVEYED:	02-25-14
DRAWN BY:	M.W.	DATE DRAWN:	03-19-14
SCALE:	1" = 60'	REVISED:	

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

Received: June 16, 2014



Returned Unapproved



API Number: 4304754488

Well Name: Gardner 36-3A-3-2

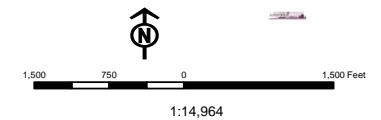
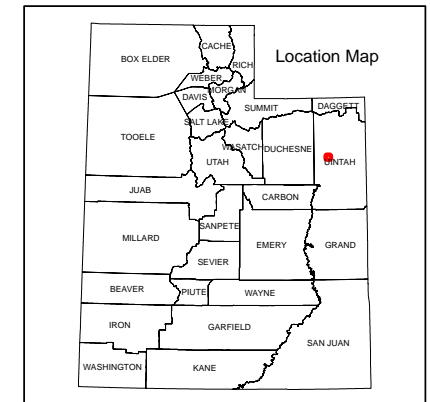
Township: T03.0S Range: R02.0E Section: 36 Meridian: U

Operator: FINLEY RESOURCES, INC.

Map Prepared: 6/25/2014  
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GIW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WOW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



Received: June 25, 2014

Well Name	FINLEY RESOURCES INC Gardner 36-3A-3-2 43047544880000			
String	COND	SURF	PROD	
Casing Size(in)	13.375	8.625	5.500	
Setting Depth (TVD)	60	1000	8500	
Previous Shoe Setting Depth (TVD)	0	60	1000	
Max Mud Weight (ppg)	8.3	8.6	9.2	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	3978		9.0	

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	447	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	327	YES diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	227	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	240	NO OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4066	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3046	NO 3M BOP, two ram preventers, annular preventer, choke
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2196	YES manifold
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2416	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient





Well name: **43047544880000 Gardner 36-3A-3-2**  
 Operator: **FINLEY RESOURCES INC**  
 String type: **Surface**  
 Location: **UINTAH COUNTY**  
 Project ID: **43-047-54488**

**Design parameters:**

**Collapse**

Mud weight: 8.600 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 88 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 977 psi  
 Internal gradient: 0.023 psi/ft  
 Calculated BHP 1,000 psi  
 Gas gravity: 0.60  
 No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.70 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 871 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 8,500 ft  
 Next mud weight: 9.200 ppg  
 Next setting BHP: 4,062 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 1,000 ft  
 Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5147
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	447	1370	3.067	1000	2950	2.95	20.9	244	11.67 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: August 19, 2014  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

**Received: August 19, 2014**

Well name: **43047544880000 Gardner 36-3A-3-2**  
 Operator: **FINLEY RESOURCES INC**  
 String type: **Production**  
 Location: **UINTAH COUNTY**  
 Project ID: **43-047-54488**

**Design parameters:**

**Collapse**

Mud weight: 9.200 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 193 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,192 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,062 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
 Neutral point: 7,314 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8500	5.5	17.90	N-80	LT&C	8500	8500	4.767	47908
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4062	6290	1.548	4062	7740	1.91	124.3	348	2.80 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: August 18, 2014  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8500 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**Received: August 19, 2014**



Diana Mason <dianawhitney@utah.gov>

---

## RE: Approved DOGM Permits

---

Star Point Enterprises, Inc. <starpoint@etv.net>

Thu, Aug 28, 2014 at 5:30 PM

Reply-To: starpoint@etv.net

To: dianawhitney@utah.gov, Brad Hill <BRADHILL@utah.gov>

Cc: Zachary Archer <ZArcher@finleyresources.com>, Helen MacDonald <hmacdonald@utah.gov>

Diana;

I left one well out of the list below, Finley Resources, Inc. respectfully requests that the following APD be rescinded following an earlier operating agreement between Finley and Crescent:

Applications For FINLEY RESOURCES INC

APD	API Well No	Well Name
9865	43047544880000	Gardner 36-3A-3-2

Don

---

**From:** Star Point Enterprises, Inc. [mailto:[starpoint@etv.net](mailto:starpoint@etv.net)]

**Sent:** Monday, August 25, 2014 11:22 AM

**To:** 'dianawhitney@utah.gov'; Brad Hill

**Cc:** Zachary Archer ([ZArcher@finleyresources.com](mailto:ZArcher@finleyresources.com)); Helen MacDonald

**Subject:** FW: Approved DOGM Permits

Diana;

Finley Resources, Inc. respectfully requests that the following APD's be rescinded following an earlier operating agreement between Finley and Crescent (memorandum attached):

**Received: August 29, 2014**



Applications For FINLEY RESOURCES INC

APD	API Well No	Well Name
9342	43047542760000	Deep Creek 27-2A-4-2
9343	43047542750000	Deep Creek 27-3A-4-2
9344	43047542740000	Deep Creek 27-4A-4-2
9345	43047542730000	Deep Creek 27-5A-4-2
9346	43047542720000	Deep Creek 27-8A-4-2
9347	43047542710000	Deep Creek 26-10A-4-2
9348	43047542700000	Deep Creek 26-11A-4-2
9357	43047542850000	Deep Creek 26-5A-4-2
9358	43047542840000	Deep Creek 26-12A-4-2
9359	43047542830000	Deep Creek 26-14A-4-2
9360	43047542820000	Deep Creek 26-15A-4-2
9364	43047542770000	Deep Creek 35-7A-4-2
9404	43047542970000	Deep Creek 26-9A-4-2
9405	43047542980000	Deep Creek 26-13A-4-2
9406	43047543000000	Deep Creek 35-2A-4-2
9408	43047542990000	Deep Creek 35-8A-4-2
9409	43047543020000	Deep Creek 35-1A-4-2
9477	43047543350000	Bar F 25-11A-4-2

9478	43047543360000	Bar F 25-12A-4-2
9479	43047543370000	Bar F 25-13A-4-2
9480	43047543380000	Bar F 25-14A-4-2
9513	43047543570000	Deep Creek 26-16A-4-2

- - -

Don

**CONFIDENTIAL**  
**Returned Unapproved**



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

August 29, 2014

FINLEY RESOURCES INC  
PO Box 2200  
Fort Worth, TX 76113

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Gardner 36-3A-3-2 well, API 43047544880000 that was submitted June 16, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah





